

Conclusions

- The October 4-6 storm is a very interesting event
 - very steady IMF conditions produced a sequence of “sawtooth” injections seen in LANL & ENAs
 - two intervals of more intense Bz produced further decreases in Dst and more complex dynamics
 - very quiet conditions on October 6 when the IMF went north, allows study of the recovery phase
- The POLAR/IPS, and IMAGE MENA & HENA clearly show each of the “sawtooth” injections on October 4 and agree well
 - the injections are mostly confined to the pre-midnight sector
 - they do not produce a symmetric ring current although $Dst < -150$ nT
- Good quantitative comparisons of the ENA images can be made by:
 - inverting the POLAR and IMAGE ENA images separately and together to obtain three descriptions of the source, trapped ion distributions, and
 - comparing the results to determine how well the observations constrain the models

